

Amendments to the Claims:

The listing of Claims will replace all prior versions and listings of the Claims in the application:

Listing of Claims

1. (Currently Amended) A computer-readable ~~medium~~ memory comprising:
(a) a data structure generated by a processor executing a first set of instructions that cause the processor to store the data structure electronically-stored in the computer-readable memory, the data structure being based on a relational data model and comprising:

(i) an account entity class that establishes multiple account data objects, comprising:

a first account data object that comprises a first account ID; and

a second account data object that comprises a second account ID

different than the first account ID;

(ii) a customer entity class that establishes multiple customer data objects, including:

a first customer data object that comprises a first customer ID, and

a second customer data object that comprises a second customer ID, the

first customer ID and the second customer ID being different;

(iii) an account involvement entity class that establishes account involvements comprising:

a first account involvement that establishes a first relationship between the first customer data object and the first account data object; and

~~a second account involvement that establishes a second relationship between the first customer data object and the second account data object;~~

a third second account involvement that establishes a third second relationship between the first customer data object and the first account data object, the third second relationship being different from the first relationship; and

~~a fourth account involvement that establishes a fourth relationship between the second customer data object and the second account data object, wherein the account involvements establish relationships between the first account data object and the customer data objects and between the second account data object and the customer data objects; and~~

(iv) an account role entity class that establishes an account role entity that defines:

a first account role for the first customer data object with respect to the first account ID;

~~a second account role for the first customer data object with respect to the second account ID, the second account role different from the first account role, that establishes multiple different roles for a customer identified by the first customer ID with respect to multiple different accounts identified by the first account ID and the second account ID; and~~

a third second account role for the first customer data object with respect to the first account ID, the third second account role different from the first account role, that establishes multiple different roles for the customer identified by the first customer ID with respect to the account ID identified by the first account ID; and

~~a fourth account role for the second customer data object, that establishes multiple different customer IDs, the first customer ID and the second customer ID, with different roles with respect to the second account ID,~~

wherein the account entity class, the customer entity class, the account involvement entity class, the account involvements, and the account role entity class are established to form multiple concise account level decision relationships used to construct multiple concise account level decision queries used to perform account level decision analysis;

(v) an offering entity class that establishes multiple offering data objects;

(vi) an offering involvement entity class that establishes a relationship between at least one of the customer data objects and one of the offering data objects,

wherein the offering entity class comprises a program entity class,

wherein the program entity class establishes relationships between multiple service data objects and multiple product data objects, and

wherein at least one of the multiple offering data objects defines an offering that comprises a product, the product being defined by at least one of the multiple product data objects; and

(b) logic a second set of the instructions executed by the processor that cause the processor stored in the memory operable to construct the multiple concise account level decision queries using the multiple concise account level decision relationships and execute on a computer system the multiple concise account level decision queries to obtain multiple concise account level decision query results used to perform account level decision analysis.

2. (Currently Amended) The computer-readable memory of Claim 1, wherein the account entity class comprises an account entity where the first set of instructions cause the processor to store for storing the account data objects.

3. (Previously Presented) The computer-readable memory of Claim 2, wherein the account entity comprises the first account ID attribute defined as a primary key.

4. (Previously Presented) The computer-readable memory of Claim 2, wherein the account entity class further comprises an account group entity that establishes a group relationship among the multiple account data objects.

5. (Previously Presented) The computer-readable memory of Claim 4, wherein the account group entity comprises an account ID attribute defined as a foreign key.

6. (Previously Presented) The computer-readable memory of Claim 1, wherein the customer entity class comprises a customer entity.

7. (Previously Presented) The computer-readable memory of Claim 6, wherein the customer entity comprises the first customer ID attribute as a primary key.

8. (Previously Presented) The computer-readable memory of Claim 1, wherein the customer entity class comprises a customer involvement entity class, which stores a customer involvement that establishes a relationship among the customer data objects.

9. (Currently Amended) The computer-readable memory of Claim 8, wherein the customer involvement entity class comprises a customer involvement entity where the first set of instructions cause the processor to store ~~for storing~~ the customer involvement.

10. (Currently Amended) The computer-readable memory of Claim 8, wherein the customer involvement entity class comprises a customer role entity that the first set of instructions cause the processor to use to define defines a customer role for at least one of the customer data objects.

11. (Currently Amended) The computer-readable memory of Claim 1, wherein the account involvement entity class comprises an account involvement entity where the first set of instructions cause the processor to store ~~for storing~~ the account involvement.

12. (Previously Presented) The computer-readable memory of Claim 1, wherein the account involvement entity class establishes the account role entity class.

13. (Canceled)

14. (Previously Presented) The computer-readable memory of Claim 1, wherein the offering entity class comprises a service entity class that establishes the multiple service data objects.

15. (Canceled)

16. (Currently Amended) The computer-readable memory of Claim 1, wherein the offering entity class comprises a product entity class where the first set of instructions cause the processor to store ~~for storing~~ the multiple product data objects.

17. (Currently Amended) The computer-readable memory of Claim 16, wherein the offering involvement entity class comprises a product involvement entity class where the first set of instructions cause the processor to store ~~for storing~~ a program involvement, which establishes a relationship between at least one of the product data objects and one of the customer data objects.

18. (Currently Amended) The computer-readable memory of Claim 17, wherein the product involvement entity class comprises a service involvement entity class where the first set of instructions cause the processor to store for-storing a service involvement, which establishes a relationship between at least one of a plurality of service data objects and one of the customer data objects.

19. (Previously Presented) The computer-readable memory of Claim 1, further comprising:

a provider entity class that establishes multiple provider data objects, wherein at least one of the multiple provider data objects comprises a team comprising team members; and

a task entity class that establishes multiple task data objects, wherein at least one of the task data objects comprises assignments related to the account data objects for the team members, and wherein at least one of the task data objects comprises assignments related to the customer data objects for the team members.

20. (Currently Amended) A computer system for storing and processing account-related information by an application program comprising a first set and a second set of instructions executable by a processor coupled to one or more computer-readable memories, wherein the account-related information and the application program are stored in the one or more computer-readable medium memories, the system comprising:

(a) a database;

(i) a data structure ~~encoded on the computer-readable medium~~ within the database, generated by the processor executing the first set of instructions, the data structure comprising:

(A) an account entity class establishing multiple account data objects, comprising:

a first account data object comprises a first account ID; and

a second account data object comprises a second account ID different than the first account ID;

(B) a customer entity class establishing multiple customer data objects, comprising:

a first customer data object comprises a first customer ID, and a second customer data object comprises a second customer ID, the first customer ID and the second customer ID being different; and

(C) an involvement entity establishing:

a relationship between the first customer data object and the first account data object;

~~a relationship between the first customer data object and the second account data object; and~~

~~a relationship between the second customer data object and the second account data object;~~

(D) an entity that defines multiple account roles, comprising:

a first account role for the first customer data object with respect to the first account ID;

~~a second account role for the first customer data object with respect to the second account ID, the second account role different from the first account role, that establishes multiple different account roles for a customer identified by the first customer ID with respect to multiple different accounts identified by the first account ID and the second account ID;~~

a third second account role for the first customer data object with respect to the first account ID, the third second account role different from the first account role, that establishes multiple different roles for the customer identified by the first customer ID with respect to the account ID identified by the first account ID;

~~a fourth account role for the second customer data object, that establishes multiple different customer IDs, the first customer ID and the second customer ID, with different roles with respect to the second account ID; and~~

(E) an offering entity class that establishes multiple offering data objects;

(F) an offering involvement entity class that establishes a relationship between at least one of the customer data objects and one of the offering data objects, wherein the offering entity class comprises a program entity class, wherein the program entity class establishes relationships between multiple service data objects and multiple product data objects, and

wherein at least one of the multiple offering data objects defines an offering that comprises a product, the product being defined by at least one of the multiple product data objects;

(ii) a data module within the database, generated by the processor executing the first set of instructions, the data module comprising:

(A) the account data objects stored according to the account entity class comprising:

the first account data object and the second account data object;

the customer data objects stored according to the customer entity

class;

(B) the first account role and the second account role stored to establish a relationship between the first customer data object, and the first account data object ~~and the second account data object;~~

(C) the ~~third~~ second account role stored to establish a relationship between the first customer data object and the first account data object different from the relationship established by storing the first account role; ~~and~~

(D) ~~the fourth account role stored to establish a relationship between the second customer data object and the second account data object;~~

wherein the account entity class, the customer entity class, the involvement entity, and the entity that defines multiple account roles form multiple concise account level decision relationships used to construct multiple concise account level decision queries used to perform account level decision analysis; and

(b) wherein the second set of instructions executed by the processor cause the a processor operable to construct the multiple concise account level decision queries using the multiple concise account level decision relationships and execute the multiple concise account level decision queries.

21. (Currently Amended) A method for storing and processing account-related information in a data structure on one or more computer-readable memories ~~mediums~~, using a first set and a second set of instructions stored in at least one of the one or more computer-readable memories and executable by a processor coupled to the at least one of the one or more computer-readable memories, comprising:

(a) providing an account entity class for establishing in the data structure on the one or more computer-readable memories ~~mediums~~ multiple account data objects, comprising:

a first account data object comprises a first account ID; and

a second account data object comprises a second account ID different than the first account ID;

(b) providing a customer entity class that establishes in the data structure on the one or more computer-readable memories ~~mediums~~ multiple customer data objects, comprising:

a first customer data object comprises a first customer ID, and a second customer data object comprises a second customer ID, the first customer ID and the second customer ID being different;

(c) providing an account involvement entity class that establishes in the data structure on the one or more computer-readable ~~memories~~ mediums multiple account involvements, which establish relationships between the customer data objects and the account data objects;

(d) providing an entity that defines multiple account roles in the data structure on the one or more computer-readable ~~memories~~ mediums, comprising:

a first account role for the first customer data object with respect to the first account ID; and

~~a second account role for the first customer data object with respect to the second account ID, the second account role different from the first account role, that establishes multiple different account roles for a customer identified by the first customer ID with respect to multiple different accounts identified by the first account ID and the second account ID;~~

a third second account role for the first customer data object with respect to the first account ID, the third second account role different from the first account role, that establishes multiple different roles for the customer identified by the first customer ID with respect to the account ID identified by the first account ID; and

~~a fourth account role for the second customer data object, that establishes multiple different customer IDs, the first customer ID and the second customer ID, with different roles with respect to the second account ID;~~

(e) providing a first entity class that establishes in the data structure on the one or more computer-readable ~~memories~~ mediums:

multiple risk data objects;

multiple product data objects; and

multiple service data objects;

(f) providing a second entity class that establishes in the data structure on the one or more computer-readable memories ~~mediums~~:

relationships between the risk data objects, the account data objects, the customer data objects, the product data objects and the service data objects,

(g) providing a program entity class that establishes in the data structure, on the one or more computer-readable memories, ~~mediums~~ relationships between the service data objects, the product data objects and the risk data objects,

wherein the risk data objects define risk factors associated with addressing risks to customers and accounts, comprising: risk factors addressed by products; and risk factors addressed by services,

wherein the program entity class, the account entity class, the customer entity class, the account involvement entity class, the account involvements, the entity that defines multiple account roles, the first entity class, and the second entity class form multiple concise account level decision relationships;

(h) constructing used to construct multiple concise account level decision queries using the multiple concise account level decision relationships;

(i) performing used to perform account level decision analysis, comprising: -and

(h) executing ~~data queries with a processor that reads~~ the multiple concise account level decision queries from the data structure on the one or more computer-readable memories ~~mediums~~.

22. (Previously Presented) The system of Claim 20, wherein the account entity class establishes:

the account ID as a primary key; and

an account group entity that defines the account ID as a foreign key, and establishes a relationship among the account data objects.

23. (Previously Presented) The system of Claim 20, wherein the customer entity class establishes:

a customer entity that defines the first customer ID as a primary key; and

a customer involvement entity class that establishes relationships among the customer data objects.

24. (Previously Presented) The system of Claim 23, wherein the customer involvement entity defines a customer role for at least one of the customer data objects.

25. (Previously Presented) The system of Claim 20, wherein the data structure further comprises:

an entity establishing:

a first relationship between the customer data objects and the offering data objects;

a second relationship between the customer data objects and the service data objects; or

a third relationship between the customer data objects and the product data objects.

26. (Previously Presented) The system of Claim 25, wherein the entity class establishing the multiple offering data objects establishes a service entity class that establishes the multiple service data objects.

27. (Currently Amended) The method of Claim 21, further comprising:
providing an entity where the first set of instructions executed by the processor cause the processor to store ~~for storing~~ risk information that defines risk factors related to any one of the account data objects, the customer data objects, the product data objects or the service data objects, comprising:

risk trends;
risk exposures;
risk assessments; and
risk capacity.

28. (Canceled)

29. (Previously Presented) The method of Claim 21, further comprising:

providing an entity class that establishes relationships between the account data objects, the customer data objects and the risk data objects,

wherein the risk data objects define risk factors, comprising:

risk factors relevant to minimizing risk for accounts; and

risk factors relevant to minimizing risk for customers.

30. (Previously Presented) The method of Claim 21, wherein at least one relationship between the customer data objects and the risk data objects defines multiple risk factors.

31. (Previously Presented) The method of Claim 21, wherein at least one relationship between one of the products data objects or one of the service data objects, and the risk data objects defines:

multiple risk factors addressed by a product; or

multiple risk factors addressed by a service.